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## INDEX TO AMERICAN BOTANICAL LITERATURE

(1909)

The aim of this Index is to include all current botanical literature written by Americans, published in America, or based upon American material; the word America being used in its broadest sense.

Reviews, and papers which relate exclusively to forestry, agriculture, horticulture, manufactured products of vegetable origin, or laboratory methods are not included, and no attempt is made to index the literature of bacteriology. An occasional exception is made in favor of some paper appearing in an American periodical which is devoted wholly to botany. Reprints are not mentioned unless they differ from the original in some important particular. If users of the Index will call the attention of the editor to errors or omissions, their kindness will be appreciated.

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- Baldwin, E. E.** Reproduction in *Apios tuberosa*. Am. Bot. **15**: 70, 71. [O] 1909.
- Barrus, M. F.** The dissemination of disease by means of the seed of the host plant. Proc. Indiana Acad. Sci. **1908**: 113-126. f. 1-7. 1909.
- Bernard, N.** L'évolution dans la symbiose. Les Orchidées et leurs champignons commensaux. Ann. Sci. Nat. Bot. IX. **9**: 1-64. f. 1-12. F 1909; 65-192. pl. 1-4 + 13-28. Ap 1909.
- Bitting, K. G.** The histological difference between *Pinus Taeda* and *Pinus palustris*. Proc. Indiana Acad. Sci. **1908**: 127-132. f. 1-6. 1909.
- Cockerell, T. D. A.** The real *Rosa Woodsii*. Muhlenbergia **5**: 116. 30 S 1909.
- Cockerell, T. D. A.** Two new fossil plants from Florissant, Colorado. Torreyia **9**: 184, 185. 27 S 1909. [Illust.]
- Crocker, W. M., & Knight, L. I.** Effect of illuminating gas and its constituents upon flowering carnations. Plant World **12**: 83-88. f. 2-4. Ap 1909.
- Dobbin, F.** The sumacs. Am. Bot. **15**: 66-68. [O] 1909.
- Druce, G. C.** *Helleborine* Hill or *Epipactis* Adans.? Bull. Torrey Club **36**: 543-548. 1 O 1909.

- Dunn, H. A.** Testing seed corn by specific gravity. Proc. Indiana Acad. Sci. **1908**: 103-105. 1909.
- Eggleston, W. W.** The *Crataegi* of Mexico and Central America. Bull. Torrey Club **36**: 501-514. 1 O 1909.  
Includes 4 new species and two new varieties.
- Fedde, F.** Vier neue Formen von *Papaver nudicaule* aus dem pazifischen Gebiete. Repert. Nov. Spec. **7**: 255-257. 20 S 1909.  
Three new varieties from Pacific North America.
- Fiebrig, K.** *Cecropia peltata* und ihr Verhältnis zu *Azteca Alfari*, zu *Atta sexdens* und anderen Insekten; mit einer Notiz über Ameisen-Dornen bei *Acacia Cavenia*. Ein kritischer Beitrag zur Ameisenpflanzen-Hypothese. Biol. Centralb. **29**: 1-16. 1 Ja 1909; 33-55. 15 Ja 1909; 65-77. *pl.* 1-5. 1 F 1909.
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Includes *Hydnobolites californicus* sp. nov.
- [**Gibson, H. H.**] American forest trees — 80. Paper birch, *Betula papyrifera* Marsh. Hardwood Record **28**<sup>12</sup>: 18, 19. 10 O 1909.  
[Illust.]
- Heller, A. A.** The beard-tongue. Muhlenbergia **5**: 117-119. 30 S 1909. [Illust.]  
*Pentstemon* sp.
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- Hessler, R.** Notes on the flora of Cass County. Proc. Indiana Acad. Sci. **1908**: 107-109. 1909.
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- Leavitt, R. G.** The genus *Eria* in the Philippine Islands. Philippine Jour. Sci. **4**: Bot. 201-245. *f.* 1-26. Au 1909.
- Lingelsheim, A., Pax, F., & Winkler, H.** Plantae novae bolivianae. II. Repert. Nov. Spec. **7**: 107-114. 20 My 1909; III. Repert. Nov. Spec. **7**: 241-251. 20 S 1909.  
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- Lloyd, F. E.** Overlapping habitats. Plant World **12**: 73-78. *f.* 1. Ap 1909.
- MacDougal, D. T.** Darwinism and experimentation in botany. Plant World **12**: 97-101. My 1909; 121-127. Je 1909.

- Maza, M. G. de la.** Determinación de plantas cubanas (Fanerógamas). Revist. Facult. Let. Ci. Univ. Habana **9**: 59-66. Jl 1909.
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- Olive, E. W.** The killing of mustard and other noxious weeds in the grain fields of South Dakota. Proc. Indiana Acad. Sci. **1908**: 135-137. 1909.
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- Rusby, H. H.** The rubber plants of Mexico. Torreya **9**: 177-184. 27 S 1909. [Illust.]
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- Stone, R. E.** A new species of *Puccinia*. Bull. Torrey Club **36**: 549-552. f. 1-4. 1 O 1909.  
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